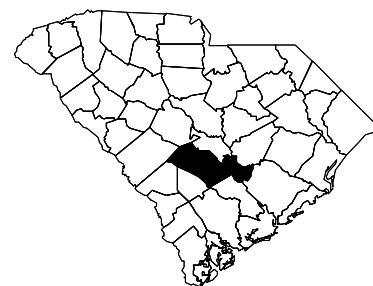


IMPACT OF CHRONIC CONDITIONS ORANGEBURG County, 2001



In the year 2001, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, pneumonia, influenza, Alzheimer's disease, septicemia, nephritis, nephritic syndrome and nephrosis. This report focuses on the chronic conditions of the population of Orangeburg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Orangeburg county's population is similar to the state population. The majority (38%) of the population in Orangeburg county are between the ages of 18-44, and there are more females (53%) than males (47%). However, Orangeburg county has a higher minority population (62%) than the state (31%). When adults in Orangeburg county were asked about their general health status, 87.2% reported having excellent, very good, or good health in 2001 (SC was 85%).

	ORANGEBURG COUNTY	STATE
Population size	91,337	4,063,011
Age distribution (%)		
<18	26	25
18-44	38	40
45-64	23	23
65-84	12	11
85+	1	1
Race (%)		
White	38	69
Black & Other	62	31
Sex (%)		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2001 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Orangeburg county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	26
Sedentary lifestyle	34	40
Overweight	73	57
High Cholesterol	27	28

Some preventive measures such as immunization were included in the 2001 SC BRFSS. For persons age 65 and older in South Carolina:

33.8% have not received the flu shot in the past 12 months

42.1% have never had the pneumonia vaccination

Hospital/ER data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	29.4	.	.	.	.	28.6
Number of hospitalizations	194	147	47	96	98	5,141
Standard rate of hospitalizations (per 100,000)	213	307	105	242	185	129
Median age of hospitalized patients	63	58	73	58	68	63
Total cost of hospitalization (\$)	3,221,200	2,644,000	577,200	1,795,400	1,425,800	69,702,200
Average length of hospital stay (days)	6	6	5	6	6	5
Number of ER visits	207	174	33	89	118	7,398
Standard rate of ER visits (per 100,000)	230	352	80	218	239	184
Median age of ER patients	53	53	58	53	53	53
Total cost of ER visits (\$)	198,600	164,800	33,800	82,000	116,600	5,124,800
Number of deaths*	9	6	3	4	5	336
Standard death rate (per 100,000)*	10	11	9	9	10	8

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.48	.	.	.	.	4.15
Number of hospitalizations	904	350	554	511	393	30,127
Standard rate of hospitalizations (per 100,000)	960	737	1,190	1,272	720	749
Median age of hospitalized patients	63	63	63	63	68	68
Total cost of hospitalization (\$)	17,663,500	6,703,700	10,959,800	10,421,500	7,242,000	803,069,600
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	84	23	61	45	39	2,753
Standard rate of ER visits (per 100,000)	90	48	139	111	72	69
Median age of ER patients	60	68	58	58	68	63
Total cost of ER visits (\$)	348,600	115,100	233,500	209,300	139,300	8,890,500
Number of deaths*	229	125	102	97	132	9,496
Standard death rate (per 100,000)*	251	222	298	228	270	233

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.24	.	.	.	.	2.45
Number of hospitalizations	446	216	230	217	229	14,626
Standard rate of hospitalizations (per 100,000)	472	463	472	558	410	374
Median age of hospitalized patients	70	68	73	68	73	73
Total cost of hospitalization (\$)	8,683,600	4,749,800	3,933,800	4,683,000	4,000,600	255,038,000
Average length of hospital stay (days)	7	7	6	7	6	6
Number of ER visits	92	58	34	40	52	2,754
Standard rate of ER visits (per 100,000)	98	124	71	100	93	70
Median age of ER patients	70	68	73	60	73	73
Total cost of ER visits (\$)	211,900	137,800	74,100	90,600	121,300	5,239,900
Number of deaths*	74	32	42	27	47	2,829
Standard death rate (per 100,000)*	81	57	123	64	96	70

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	375	216	159	165	210	15,100
Standard rate of hospitalizations (per 100,000)	408	403	391	412	419	377
Median age of hospitalized patients	53	40	63	48	58	58
Total cost of hospitalization (\$)	4,245,400	2,317,400	1,928,000	1,953,400	2,292,000	159,179,500
Average length of hospital stay (days)	4	4	5	4	4	5
Number of ER visits	1,170	938	232	542	628	42,599
Standard rate of ER visits (per 100,000)	1,288	1,613	667	1,250	1,312	1,053
Median age of ER patients	23	23	43	18	33	33
Total cost of ER visits (\$)	886,900	674,900	212,000	390,500	496,400	24,732,100
Number of deaths*	32	12	20	21	11	1,728
Standard death rate (per 100,000)*	35	21	58	49	23	43

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	7.37	.	.	.	.	8.13
Number of hospitalizations	280	215	65	132	148	8,620
Standard rate of hospitalizations (per 100,000)	308	426	162	329	290	213
Median age of hospitalized patients	53	48	63	48	58	53
Total cost of hospitalization (\$)	4,195,800	3,082,200	1,113,600	1,864,000	2,331,800	115,143,100
Average length of hospital stay (days)	6	6	6	5	6	6
Number of ER visits	230	192	38	112	118	8,748
Standard rate of ER visits (per 100,000)	254	394	94	295	228	217
Median age of ER patients	53	53	63	53	58	53
Total cost of ER visits (\$)	257,400	215,500	41,900	133,800	123,600	6,417,300
Number of deaths*	29	15	14	15	14	1,089
Standard death rate (per 100,000)*	32	27	41	35	29	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	742	465	277	249	493	24,857
Standard rate of hospitalizations (per 100,000)	818	954	650	660	1,002	618
Median age of hospitalized patients	58	53	63	68	48	58
Total cost of hospitalization (\$)	15,507,400	9,422,600	6,084,800	6,901,100	8,606,300	528,562,000
Average length of hospital stay (days)	6	6	6	7	6	6
Number of deaths*	219	114	104	119	100	8,262
Standard death rate (per 100,000)*	240	203	303	280	205	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	62	31	31	30	32	2,057
Standard rate of hospitalizations (per 100,000)	66	66	66	86	60	52
Median age of hospitalized patients	68	63	73	70	63	68
Total cost of hospitalization (\$)	1,756,700	804,400	952,300	912,500	844,200	65,269,600
Average length of hospital stay (days)	9	8	9	10	8	10
Number of deaths*	23	11	12	14	9	818
Standard death rate (per 100,000)*	25	20	35	33	18	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	36	22	14	.	36	1,650
Standard rate of hospitalizations (per 100,000)	39	46	32	.	69	41
Median age of hospitalized patients	63	60	65	.	63	63
Total cost of hospitalization (\$)	432,300	254,500	177,800	.	432,300	19,973,100
Average length of hospital stay (days)	3	3	4	.	3	2
Number of deaths*	11	4	6	-	11	595
Standard death rate (per 100,000)*	12	7	18	-	23	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	7	2	.	9	255
Standard rate of hospitalizations (per 100,000)	11	14	7	.	20	6
Median age of hospitalized patients	38	38	28	.	38	48
Total cost of hospitalization (\$)	70,100	57,000	13,100	.	70,100	3,859,300
Average length of hospital stay (days)	2	3	2	.	2	4
Number of deaths*	2	2	-	.	2	69
Standard death rate (per 100,000)*	4	4	-	.	4	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	55	25	30	31	24	2,294
Standard rate of hospitalizations (per 100,000)	57	51	59	73	45	57
Median age of hospitalized patients	63	63	68	63	63	68
Total cost of hospitalization (\$)	1,797,500	1,013,900	783,600	784,900	1,012,600	60,724,100
Average length of hospital stay (days)	10	13	8	9	12	8
Number of deaths*	51	23	28	33	18	2,543
Standard death rate (per 100,000)*	56	41	82	78	37	63

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	66	39	27	66	.	1,335
Standard rate of hospitalizations (per 100,000)	68	84	53	169	.	33
Median age of hospitalized patients	68	68	68	68	.	68
Total cost of hospitalization (\$)	1,197,800	780,800	417,000	1,197,800	.	21,303,500
Average length of hospital stay (days)	4	5	3	4	.	4
Number of deaths*	22	17	5	22	.	499
Standard death rate (per 100,000)*	52	30	15	52	.	25

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

For more information about

Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH
Bureau of Epidemiology
SC Department of Health and Environmental Control
1800 St. Julian Place, Suite 406
Columbia, SC 29204
Tel (803) 545-4920

Hospital discharges and ER visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

